Of close-grained iron, as hard, as can be worked. CYLINDERS High pressure cylinders inches stroke. inches diameter and Low pressure cylinders inches diameter and inches stroke. Of cast 9-1/2" diameter , Piston valves Cylinder Heads , neatly covered. Main Valves operating in suitable steam chests. Cyliniers to have bushings of Hunt Spiller Sun Iron Cylinder Covering Cylinders lagged with same material as boiler and neatly cased with painted steel. automatic sight feed lubricator, placed in cab, Lubricator and connected by pipes to cast iron Heads of fitted with cast iron packing rings sprung in. **Pistons** Piston rods of steel, ground and keyed to crossheads, and For piston rods and valve stems, Packing Needle oil cups on guides Of steel, fitted to guide yoke of mild wrought steel Guides Crosshead Of cast steel, with suitable bearings. Welschgerts Valve Motion graduated to cut off equally at all points of stroke. Six inches in diameter. Centers, lires heli by shrinkage and shoulder 40 number, DRIVING turned to inches diameter. WHEELS inches thick when finished; Of steel. Tires inches wide. pairs flanged inches long. inches diameter and main Of hammered steel, journals Driving Axles inches diameter and inches long. Bronde hub liners on allothers ing wheel and divin lubricator. Of **Driving Boxes** , with bronze bearings. Equalizing beams of wrought steel or cast steel. Connecting and Parallel rods of hammered steel. Connecting rods forged solid, and furnished with Rods all necessary straps, keys and brasses. Parallel rods with straps, keys and brasses or with solid ends and heavy bronze bushings, put in by hydraulic pressure and well secured from turning in rod. Back wrist fin to have nuts and washers to fasten rols. Wrist Pins Bronze hub liners on front and page ongine truck wheels. wheeled truck FRONT ENGINE TRUCK Truck frame of wrought steel or cost etecl, well braced, fitted with swing bolster, with center bearing, side bearing, or radiating mechanism. Cast iron apoce center, atoel tirei inches diameter Wheels Of hammered steel, with journals inches long. Axles inches in diameter and 5-1/2 with bronze bearings. and shoulder. BACK ENGINE wheeled truck TRUCK Truck frame of wrought steel or cast steel, well braced, fitted with swing bolster, with side bearing, with center bearing, or radiating mechanism. 28 Wheels Cast iron spoke center, steel tire! inches diameter wheels Axles inches long. Of hammered steel, with journals Boxes of cast 2" * 5-1/2" with bronze bearings and shoulder.

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